



SEQUENCE LISTING

<110> Li, Henry
Chatterton, Jon E.
Ke, Ning
Wong-Staal, Flossie
Immusol, Inc.

<120> Novel siRNA Gene Libraries and Methods for Their
Production and Use

<130> 016556-003110US

<140> US 10/626,512

<141> 2003-07-23

<150> US 60/398,915

<151> 2002-07-24

<160> 19

<170> PatentIn Ver. 2.1

<210> 1

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Hind III U6-265
upstream primer modified to contain a Hind III
site outside the 5' end of the U6 promoter

<400> 1

tgctaagctt aaggtcgggc aggaagag

28

<210> 2

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:NX U6-20
downstream primer modified to contain Not I and
Xho I restriction sites at the 3' end of the U6
promoter

<400> 2

atgctcgagc ggccgcagat atataaagcc aa

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<210> 3

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Mlu I U6-265
upstream primer modified to contain an Mlu I site
outside the 5' end of the U6 promoter

<400> 3
tgctacgctg aaggtcgggc aggaagag 28

<210> 4
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downstream primer modified to contain Sph I and
Xho I restriction sites at the 3' end of the U6
promoter

<400> 4
atgctcgagc atgcagatat ataaagccaa 30

<210> 5
<211> 59
<212> DNA
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<220>
<223> Description of Artificial Sequence: chemically
synthesized oligo DNA containing randomized insert
with GC caps and terminators

<220>
<221> modified_base
<222> (1)
<223> n = 5' phosphorylated g

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<222> (20)..(39)
<223> n = g, a, c or t

<400> 5
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<210> 6
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: chemically
synthesized universal oligo Univ-1 (Not I)

<400> 6
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<210> 7
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<220>
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<400> 7
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<210> 8
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<400> 8
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<210> 10
 <211> 60
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<220>
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 NX-U6-Tet-o

<400> 10
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<210> 11
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 <212> DNA
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 <210> 12
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 amplification primer 5' hU6+BamHI

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 <210> 13
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 amplification primer 3' hU6+FseI/XhoI

 <400> 13
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 <210> 14
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 amplification primer 5' mU6+BamHI/XbaI

 <400> 14
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 <210> 15
 <211> 40
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 amplification primer 3' mU6+AscI/XhoI

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<210> 17
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 <212> DNA
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<220>
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 (luciferase) siRNA oligo

<220>
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<210> 18
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<220>
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<400> 18
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<210> 19
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 <212> DNA
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<220>
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<220>
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<222> (1)
<223> n = 5' phosphorylated c

<400> 19
ngcgccgaaa agcctaataaa g

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Xho I restriction sites at the 3' end of the U6
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<223> Description of Artificial Sequence:Mlu I U6-265
upstream primer modified to contain an Mlu I site
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<220>
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 synthesized universal oligo Univ-2 (Sph I)

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ngcgccgaaa agcctaaaaa g

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